

Patent claims

1. A transport drive, in particular for stage elements, fork-lift trucks and movable platforms (R), having at least one element (2) which is driven or can be driven and which is integrated in a base region (9) of the stage element (R), characterized in that the at least one element (2) can be retracted into the stage element (R) in order to lower and set down the stage element (R) on a base (8).

2. A transport drive, in particular for stage elements, fork-lift trucks and movable platforms (R), having at least one element (2) which is driven or can be driven and which is integrated in a base region (9) of the stage element (R), characterized in that the at least one element (2) can be pivoted about an axis (A) in any desired X and/or Y direction in order to move the stage element (R) on a base (8).

3. The transport drive as claimed in claim 1 or 2, characterized in that the element (2) can be driven actively about an axis (B) via an integrated or in external motor element (3).

4. The transport drive as claimed in at least one of claims 1 to 3, characterized in that the element (2) is formed as a roller, in particular as a roll element.

5. The transport drive as claimed in at least one of claims 1 to 4, characterized in that a plurality of elements (2) are integrated in different regions, preferably in the

corner regions (16) or central regions (17) of the base region (9), at least one element (2) being driven or capable of being driven actively about the axis (B) and the axis (A).

6. The transport drive as claimed in at least one of claims 1 to 5, characterized in that the element (2) is used in a housing (4), in which at least one drive element (5) is provided in order to move or pivot the element (2) in a Z direction.

7. The transport drive as claimed in claim 6, characterized in that the housing (4) with inserted element (2) and drive element (5) is inserted into a recess (1) so as to be flat and flush with the base region (7) of the stage element (R).

8. The transport drive as claimed in claim 6 or 7, characterized in that the housing (4) with inserted element (2) is inserted such that it can be rotated through 360° about the axis (A) in the recess (1) of the base element.

9. The transport drive as claimed in claim 7 or 8, characterized in that the housing (4) is seated in the recess (1) and mounted on a bearing (12) such that it can be rotated by a shaft (19) and can be driven in rotation via a gear element (11) by means of a further drive gear (12) engaging in the latter and belonging to a motor element (13).

10. The transport drive as claimed in at least one of claims 1 to 10, characterized in that a plurality of elements (2) in a stage element (R) are connected to one

another via bus interfaces and can be driven jointly or individually in each case.

11. The transport drive as claimed in at least one of claims 1 to 10, characterized in that the stage element (R) and/or each element (2) is assigned a rechargeable power source (14).

12. The transport drive as claimed in at least one of claims 1 to 11, characterized in that, via at least one control device (15), the at least one element (2) can be driven rotationally so as to be pivotable about the axis (B) and movable in the Z direction and rotatable about the axis (A).

13. The transport drive as claimed in claim 12, characterized in that, via the at least one control device (15), wire-free driving from the outside is carried out in order to move the stage element (R) in a manner which is exact, precise and as desired, and in order to lower the stage element (R) onto a base (8).

14. The transport drive as claimed in at least one of claims 1 to 12, characterized in that a plurality of stage elements (R) can be driven in a wire-free manner so as to be rotatable as desired, movable in the X and/or Y direction and capable of being driven.